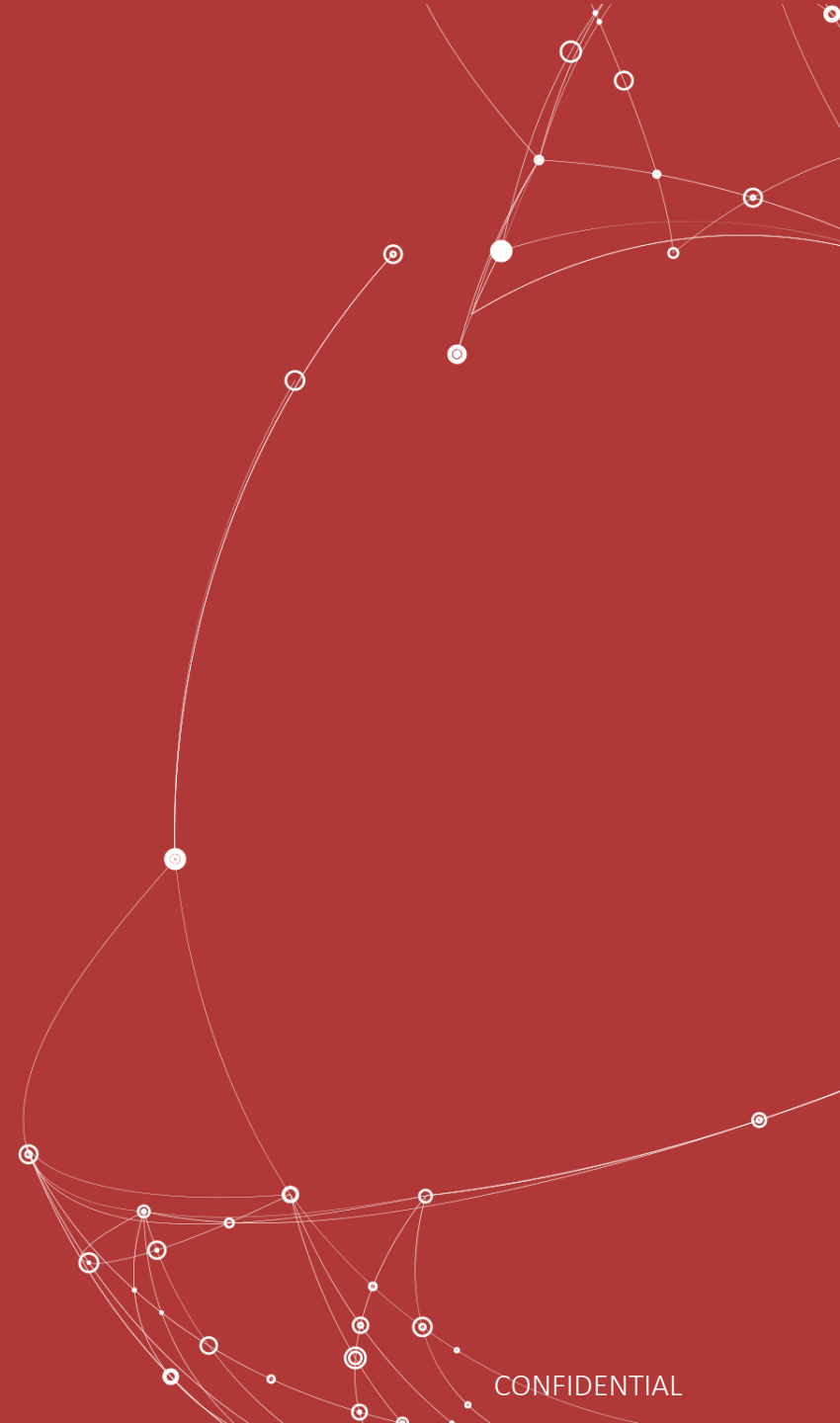


# EFFECT

PHOTONICS



CONFIDENTIAL

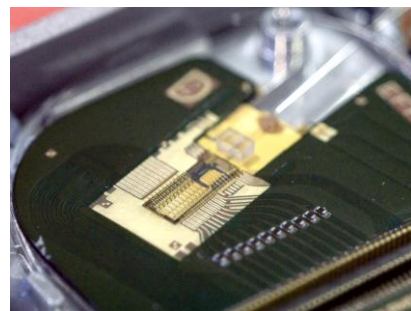
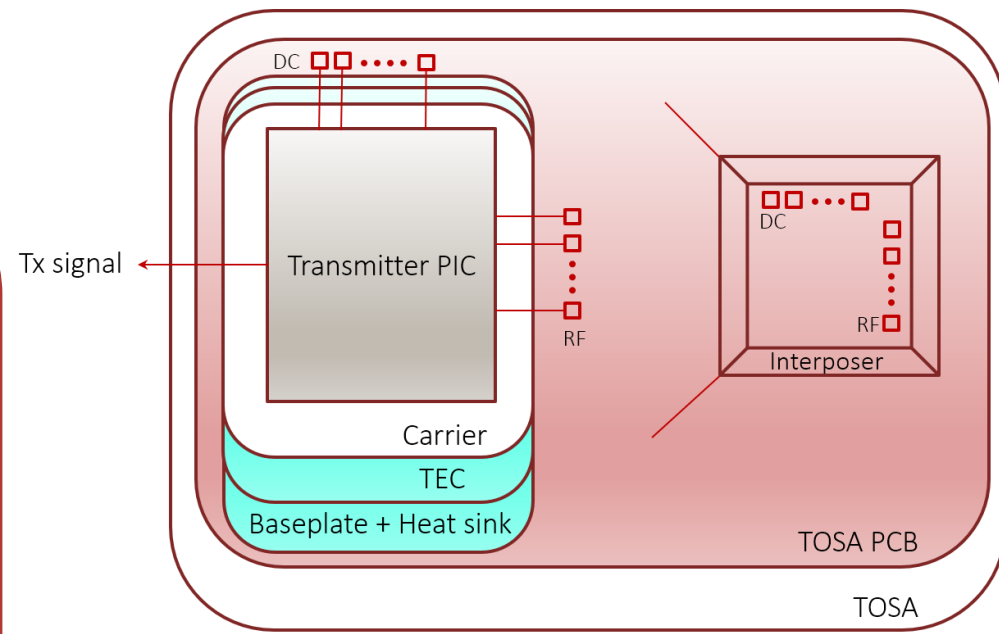
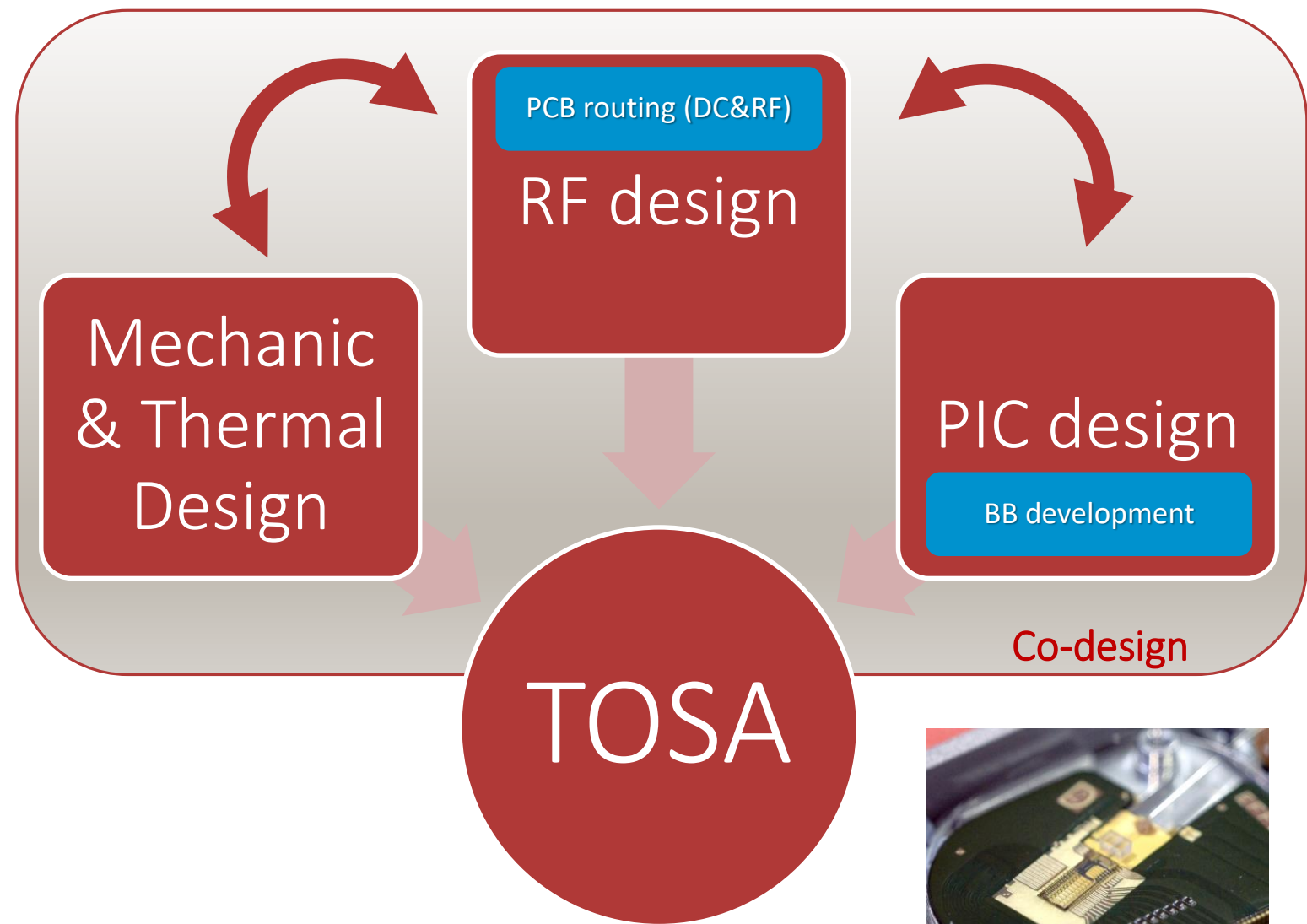


# PROGRESS MEETING #2

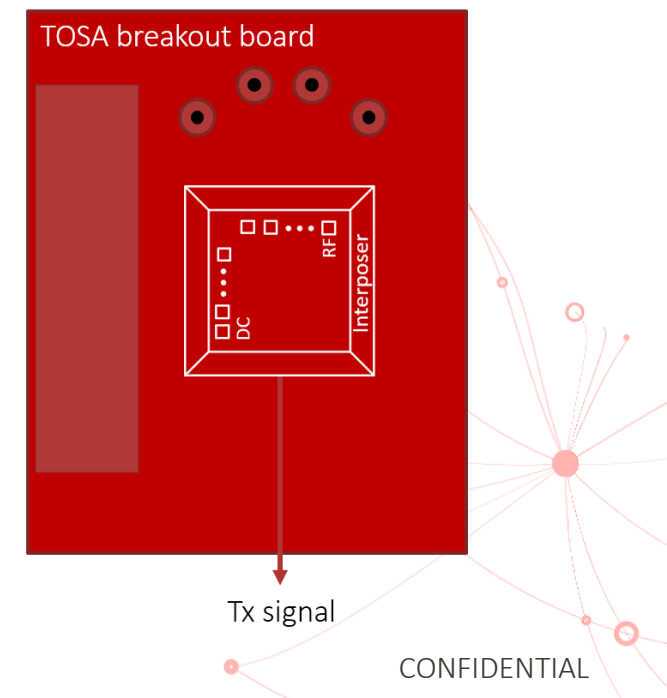
## OPENPICS

04-04-2018

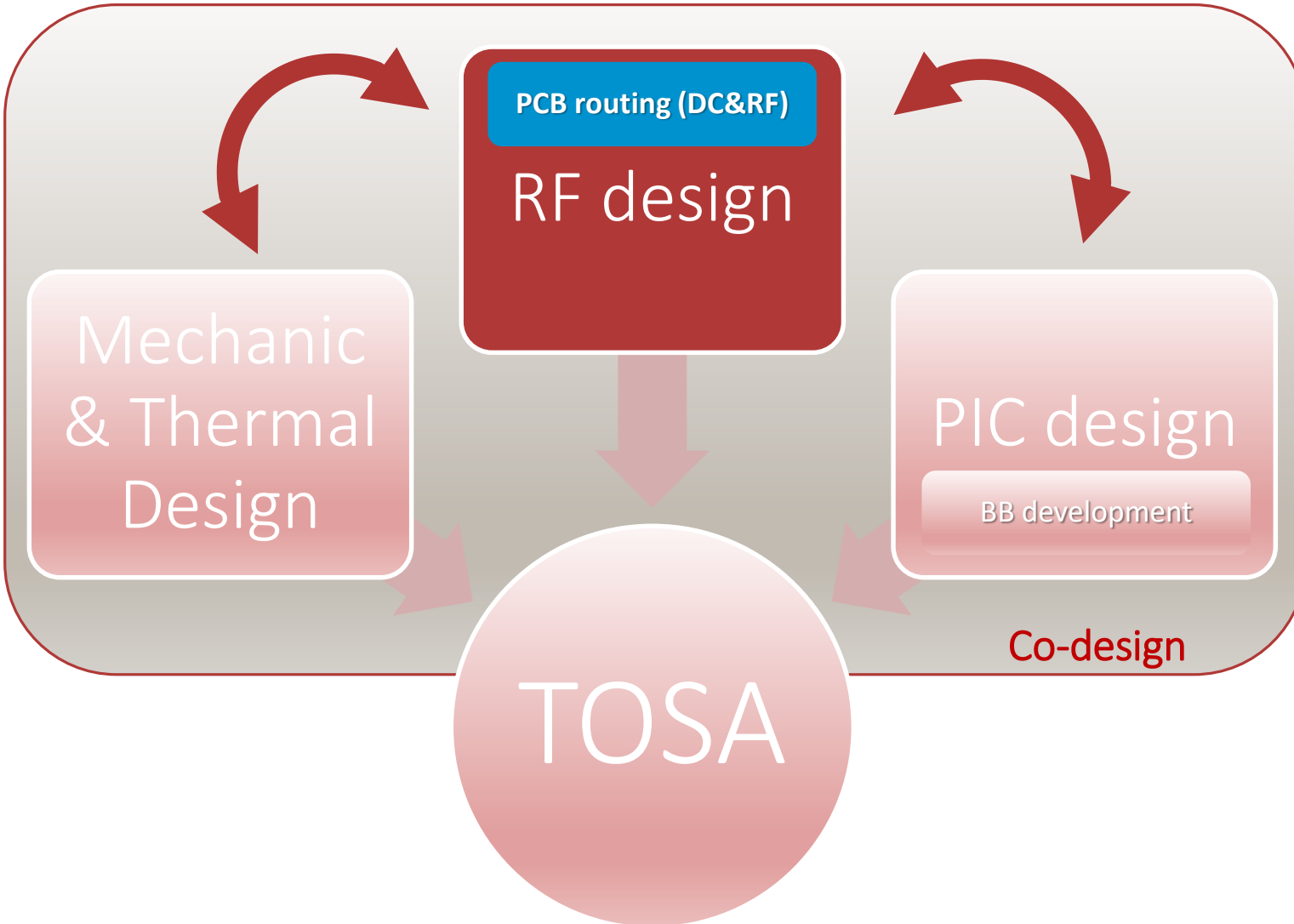
# 400G DEMONSTRATOR CONCEPT



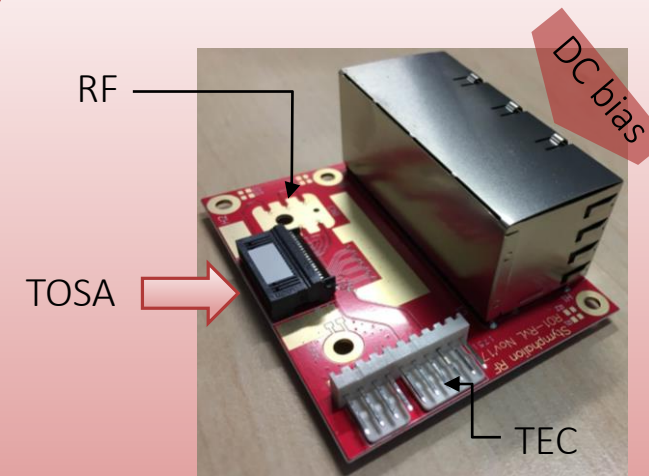
Sample TOSA for illustration purposes



# PROGRESS ON HIGH SPEED ELECTRONICS DESIGN

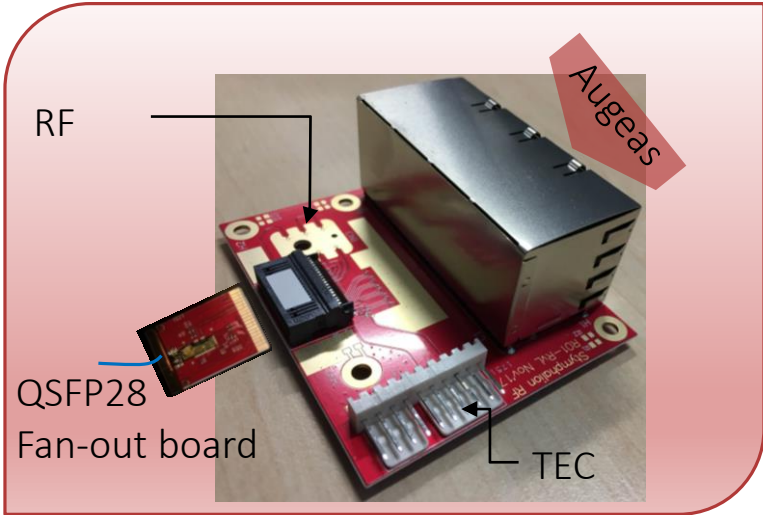
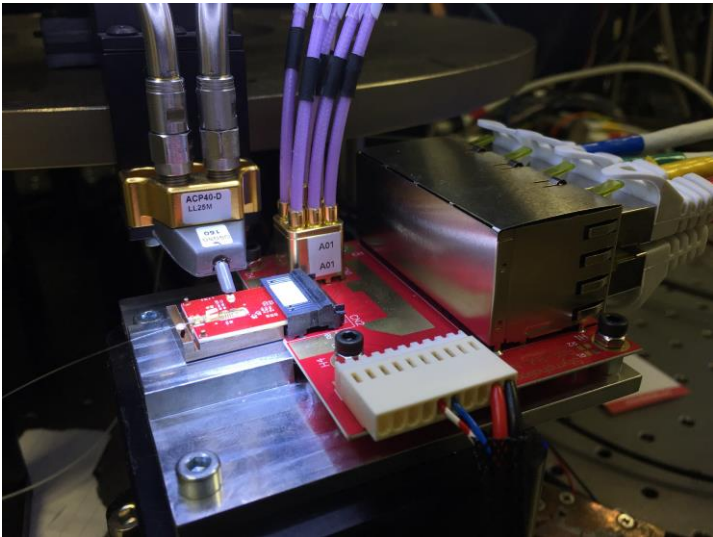


## Single channel breakout board



>20GHz Bandwidth is measured (>25GHz if extrapolated). Equipment limitations prevented testing beyond 20GHz.

# SINGLE CHANNEL TESTING VEHICLE: DESIGN PURPOSE AND MULTIPLE USE CASES



RF signal could be provided either directly on-chip (through RF probes) or via QSF28 connector. This allows for investigation of PIC and electronics limits separately

Push the limits of our WB experience so far for high speed operation: WBs as short as  $\sim 260\mu\text{m}$

